

POSITION DESCRIPTION (Please read Instructions on the Back)

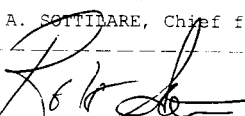
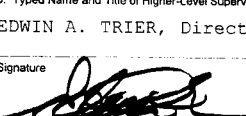
2. Reason for Submission <input type="checkbox"/> Redescription <input checked="" type="checkbox"/> New <input type="checkbox"/> Reestablishment <input type="checkbox"/> Other		3. Service <input type="checkbox"/> Hdqtrs. <input checked="" type="checkbox"/> Field	4. Employing Office Location Orlando, FL	5. Duty Station ORLANDO, FL US Army, STRICOM	1. Agency Position No. NL11044
Explanation (Show any positions replaced)			7. Fair Labor Standards Act <input checked="" type="checkbox"/> Exempt <input type="checkbox"/> Nonexempt	8. Financial Statements Required <input type="checkbox"/> Executive Personnel <input type="checkbox"/> Employment and Financial Statements	6. OPM Certification No.
			10. Position Status <input checked="" type="checkbox"/> Competitive <input type="checkbox"/> Excepted (Specify in Remarks) SES (Gen.) <input type="checkbox"/> SES (CR)	11. Position Is: <input type="checkbox"/> Supervisory <input type="checkbox"/> Managerial <input checked="" type="checkbox"/> Neither	9. Subject to IA Action <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
			12. Sensitivity <input type="checkbox"/> 1 - Low <input type="checkbox"/> 2 - Moderate <input type="checkbox"/> 3 - High	13. Competitive Level Code 13ZD	14. Agency Use

15. Classified/Graded by	Official Title of Position	Pay Plan	Occupational Code	Grade	Initials	Date
a. U.S. Office of Personnel Management						
b. Department, Agency or Establishment						
c. Second Level Review						
d. First Level Review	ELECTRONICS ENGINEER	GS	0855	13	Bp	6/27
e. Recommended by Supervisor or Initiating Office						

16. Organizational Title of Position (if different from official title)		17. Name of Employee (if vacant, specify)	
18. Department, Agency, or Establishment Department of the Army		c. Third Subdivision Directorate for Research & Engng Mgmt (E)	
a. First Subdivision U.S. Army Materiel Command		d. Fourth Subdivision Synthetic Envrnmt & Technlgy Mgmt Div (ES)	
b. Second Subdivision STRICOM		e. Fifth Subdivision	

19. Employee Review- This is an accurate statement of the major duties and responsibilities of my position.

20. Supervisory Certification. I certify that this is an accurate statement of the major duties and responsibilities of this position and its organizational relationships, and that the position is necessary to carry out Government functions for which I am responsible. This knowledge that this information is to be used for statutory purposes relating to appointment and payment of public funds, and that false or misleading statements may constitute violation of such statutes or their implementing regulations.

a. Typed Name and Title of Immediate Supervisor ROBERT A. SOTTARE, Chief for ES	b. Typed Name and Title of Higher-Level Supervisor or Manager (optional) EDWIN A. TRIER, Director for E
Signature 	Signature 
Date 6/11/98	Date 6/11/98

21. Classification/Job Grading Certification. I certify that this position has been classified/graded as required by Title 5, U.S. Code, in conformance with standards published by the U.S. Office of Personnel Management or, if no published standards apply directly, consistently with the most applicable published standards.

22. Position Classification Standards Used in Classifying/Grading Position
US OPM PCS GS-855, ELECTRONIC ENGINEER SER
GRADE EVALUATION GUIDE FOR NONSUPERVISORY PROFESSIONAL ENGINEER POSITIONS

Information for Employees. The standards, and information on their application are available in the personnel office. The classification of the position may be reviewed and corrected by the agency or the U.S. Office of Personnel Management. Information on classification/job grading appeals, and complaints on exemption from F is available from the personnel office or the U.S. Office of Personnel Management.

23. Position Review	INITIALS	DATE	INITIALS	DATE	INITIALS	DATE	INITIALS	DATE
a. Employee (optional)								
b. Supervisor								
c. Classifier								

24. Remarks
POSITION IS AT THE FULL PERFORMANCE LEVEL

BUS:7777

INTRODUCTION

Position is located in one of the divisions within the Directorate for Research and Engineering Management (E) of Simulation, Training and Instrumentation Command (STRICOM). These divisions perform technology based management, concept formulation, acquisition management and technical contract management of simulations, simulators, training systems and instrumentation projects assigned to STRICOM. The duties performed by incumbent will include system engineering, software engineering, computer analysis and operations research analysis supporting the acquisition and life cycle management of STRICOM systems which involves the design, integration and management of complex systems composed of hardware, computers, software, interfaces, simulation and instrumentation hardware.

MAJOR DUTIES

1. Provides technical evaluation of contractor's performance and is technical lead for the Government's team. Serves as lead technical representative at progress reviews, design reviews and technical interchange meetings with contractors. Serves as the contracting officer's technical representative (COTR), provides technical guidance and clarification to contractor on work statement, specification and CDRLs and when required takes the necessary corrective action. Consults with subject matter experts (SMEs) to obtain technical guidance relating to on-going projects. Addresses contractor's needs, questions and change proposals regarding technical, cost and schedule risks. Ensures projects are within established resource limits and remain on target with milestone schedules. Keeps management, product manager, project director, users and other team members informed of project status. Provides design and user requirements continuity to the technical test support team leading to formal approval testing. 30%
2. Prepares technical sections of acquisition packages (Request for Proposal - RFP) for assigned projects which include technical specifications, work statement (WS), contract data requirements list (CDRL), contract schedule and proposal evaluation plan. Defends or justifies acquisition package to the acquisition authority. Evaluates contractor's proposals for technical content, applicability to RFP, best value and schedule impact. Prepares proposal evaluation report; defends and justifies for acquisition authority. Clarifies and evaluates contractor final proposals and makes recommendation to acquisition authority for award of contract. 20%
3. Serves as SME providing advice, consultation and technical documentation (synopses and point papers) to engineers, project directors and management on designated specialty area as required. Specialty areas include: requirements engineering, artificial intelligence (expert systems, computer generated forces, intelligent tutoring systems and natural language applications), embedded training, command and control, distributed processing, communications (analog, digital and networks), lasers, electro-optics, visual simulation (displays, data base modeling and image renderings), security, targets, computer systems and languages/ techniques (Ada, object oriented design) 15%

4. Serves as technical lead on concept formulation effort by performing or managing the required engineering functions to explore and formulate materiel concepts for STRICOM's systems in accordance with the using organization operations requirements document. Reviews, analyzes, and clarifies requirements and documentation through formal and informal meetings and discussions with SMEs. Conducts market surveys and analyzes make/buy decisions. Prepares trade-off determinations (TOD), trade-off analysis (TOA), best technical approach (BTA), decision documents and associated resource and budget estimates. Coordinates through meetings and discussions with various user representatives the STRICOM position with rationale to attain a mutually agreeable best technical approach.

15%

5. Evaluates and executes Small Business Innovation Research (SBIR) and Broad Agency Announcements (BAA) proposals related to virtual, constructive and live simulation, simulators, training systems, instrumentation and DIS requirements. Analyzes technical, cost and schedule risks. Supports the BAA/SBIR development as the subject matter expert. Monitors resources and develops efforts of awarded proposals. Reviews industry's Independent Research and Development (IR&D) and makes recommendations on applicability to STRICOM mission.

10%

6. Supports fielding and sustainment of STRICOM systems through Engineering Change Proposals (ECPs) and modification reviews and analysis providing recommendations on these actions. Serves as technical lead on the acquisition of existing systems under the foreign military sales program.

10%

Performs other duties as assigned.

FACTOR 1. KNOWLEDGE REQUIRED BY THE POSITION

The incumbent is considered as a technical expert with intimate knowledge to plan and conduct advanced work. The duties of the position require an ability to anticipate and take positive action.

- Knowledge of systems engineering, operations research analysis, computer software and hardware principles to support the acquisition and life cycle management of electronic, computer based military systems or simulation, simulators, training systems and instrumentation projects.

- Knowledge of software management techniques to include: software requirements analysis and design methodologies, software metrics, software reuse, software documentation, ADA, independent verification and validation (IV&V) criteria, and post deployment software support (PDSS) criteria to ensure adequate performance of assigned systems in accordance with user requirements.

- Knowledge of DOD materiel acquisition process and specifically the application of DOD 5000 series and AMC materiel acquisition practices to support the acquisition of electronic, computer based military equipment or simulations, simulators, training systems and instrumentation projects.

- Ability to analyze statistical and performance data to perform market surveys, risk analysis, trade-off studies and baseline cost estimates needed to support the materiel acquisition decision making process.

- Knowledge of the application of current engineering technology, as identified for SMEs, to the conceptual design of electronic, computer based military equipment or simulation, simulators, training systems and instrumentation projects.

FACTOR 2. SUPERVISOR CONTROLS

Incumbent works under general supervision of assigned Division Chief who provides policy guidance and assignments in terms of broad, general objectives. Incumbent exercises extraordinary responsibility for technical decisions, planning and administering assigned responsibilities and managing resources. Supervisor accepts authoritative determinations not in conflict with established policies and basic procedures. Work is reviewed in terms of overall effectiveness, adherence to policy, consistency with related programs and attainment of objectives.

FACTOR 3. GUIDELINES

Guidelines include DOD, Department of the Army (DA), AMC, and local regulations and policies. Guidelines also include technical manuals, bulletins, journals, manufacture's catalogs, industry standards and textbooks. Guidelines are frequently inadequate, inapplicable, and/or controversial, therefore, judgement, initiative, originality, and skill must be utilized by the incumbent to apply changing and emerging technology and flexible acquisition procedures to various project assignments.

FACTOR 4. COMPLEXITY

Typically, the more complex and highly visible projects are assigned. The projects assigned to the incumbent involve real-time interactive simulation and simulator systems and must bring together a number of unrelated state-of-the-art technologies and systems into a cohesive, affordable and practical solution. Incumbent provides input to projects containing a variety of features being performed by engineers and scientists, logisticians, analysts, contract specialists, private industry, contractors and user representatives. Incumbent must develop new approaches to solve a variety of technical problems.

FACTOR 5. SCOPE AND EFFECT

The purpose of the work is to develop an effective simulated environment for training, instrumentation and analysis of combat readiness and the effect of new combat weapon systems. The work affects DOD's ability to train, deploy and fully utilize military personnel during combat operations.

FACTOR 6. PERSONAL CONTACTS

Contacts are with high level management, private industry contractors and other professionals within and outside of the agency. Contacts also include representatives of domestic and foreign governments.

FACTOR 7. PURPOSE OF CONTACTS

The purpose of contacts is to coordinate work efforts, resolve questions and problems related to projects, to stay current on evolving technologies and to occasionally persuade others to adopt new technical approaches.

FACTOR 8. PHYSICAL DEMANDS

There are no physical demands associated with the work, except for the potential requirement to travel ten or more nights per month. This will require use of commercial air and rental car services.

FACTOR 9. WORK ENVIRONMENT

The work is primarily performed in an office setting.

NON-CRITICAL ACQUISITION POSITION AMENDMENT TO PD# PL 110 44008

"The employee must meet DoD 5000.52-M requirements applicable to the duties of the position."